U.S. DEPARTMENT OF ENERGY | Richland Operations Office

Hanford Cleanup

CH2MHILL

CH2M HILL Plateau Remediation Company

John Fulton, President & Chief Executive Officer

CH2M HILL Scope

Hanford Cleanup

K Area

- ✓ K East Basin Demolished
- ✓ Interim Safe Storage of K East Reactor Complete
- ✓ K West Sludge Removed from the River Corridor
- ✓ Interim Safe Storage of K West Reactor Initiated
- ✓ K Area Final ROD Remedial Actions Complete and TSD Units Closed with the Exception of those Associated with K West
- ✓ K Area Groundwater Remedies Implemented
- ✓ 2,300 Tons of Scrap Nuclear Fuel Removed
- ✓ 109 Facilities Demolished
- ✓ 2 Waste Sites Remediated
- ✓ ~361,000 Tons of Soil Removed
- ✓ Initiate 100-K Transfer to Legacy Management

Central Plateau Cleanup

- ✓ 200 West Carbon Tetrachloride, Uranium and Technetium 99 Groundwater Remedies Implemented
- ✓ Conduct Additional Cleanup as Funds Become Available

400 Area

Fast Flux Test Facility in Surveillance and Maintenance

200 Areas

- ✓ Special Nuclear Material Shipped Off-site
- ✓ Slightly Irradiated Fuel Shipped to the Canister Storage Building for Safeguarding
- ✓ PFP Complex Reduced to Slab on Grade
- ✓ 18 Facilities Demolished
- ✓ U Plant Zone D&D Completed
- ✓ Initiate Purex, PFP & 200 West Ponds Zone Closure
- ✓ Initiate Cesium/Strontium Capsule Disposition

ROD = Record of Decision
TSD = Treatment, Storage, Disposal

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Plateau Remediation Company

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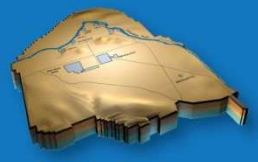
5 YEARS *of Progress on the Plateau*



CH2M HILL Plateau Remediation Company is the prime contractor for the U.S. Department of Energy Richland Operations Office managing the 10-year, $5.7- billion Plateau Remediation Contract to safely and efficiently reduce hazards to the inner most area of the Hanford Site.

OUR WORK is moving hazards away from the Columbia River and shrinking the active area of cleanup to just 75 square miles by:

- Maintaining safe and compliant operations
- Demolishing the Plutonium Finishing Plant to slab on grade in 2016
- Treating groundwater to shrink contamination plumes and protect the Columbia River
- Developing decision documents for long-term cleanup along the river
- Retrieving highly radioactive sludge stored 400 yards away from the river
- Managing some of DOE's highest hazard facilities and waste streams
- Partnering with small businesses and supporting the local community

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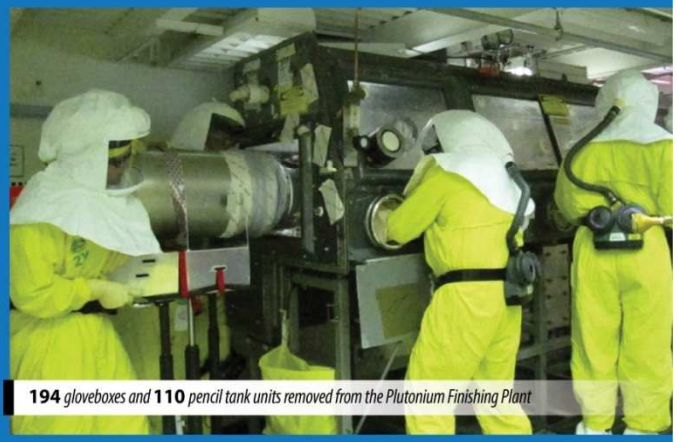
331 mi² *cleanup footprint reduction*

157 *buildings demolished*

1st *phase of highly radioactive sludge retrieved*

2,866 m³ *of transuranic waste retrieved*



194 *gloveboxes and* **110** *pencil tank units removed from the Plutonium Finishing Plant*

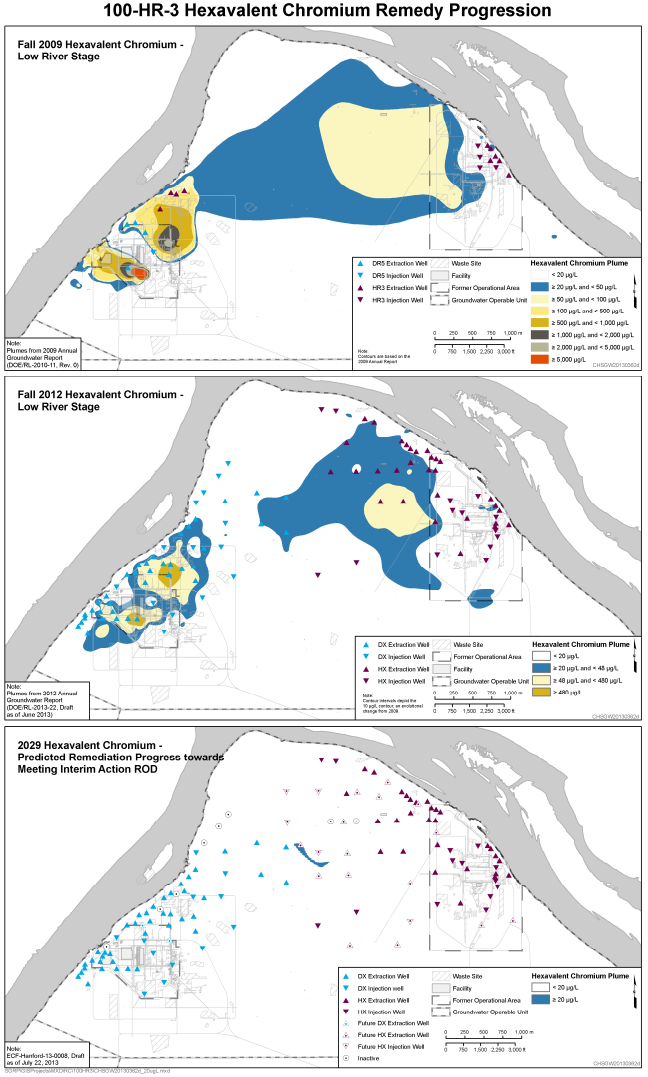
5.4 *billion gallons of contaminated groundwater treated,* **50 tons** *of contaminants removed*

January 2014 CHPRC1401-04

Progress in 2013

Hanford Cleanup

- Plutonium Finishing Plant deactivation reached 68% complete
- Treated 1.9 billion gallons of groundwater and removed a record amount of contaminants
- Surpassed $1 billion cumulative awarded to small businesses



Worker Involvement

Hanford Cleanup

Issues/Challenges, cont.

Hanford Cleanup

- Mining efficiencies to accomplish more cleanup work
- Maintaining cleanout and waste processing capabilities
- Adapting to changing funding profiles and priorities

Preparing large pieces of contaminated equipment, called gloveboxes, for disposition at PFP

Installing aquifer tubes along the Columbia River

Look Ahead FY2014

Hanford Cleanup

- Plutonium Finishing Plant
  - Remove 13 gloveboxes
  - Disposition 25 pencil tanks units
  - Demolish 9 ancillary facilities
- Groundwater Treatment
  - Treat 1.8B gallons of contaminated groundwater
  - Remove more than 45,000kg of contaminants
- K Basin Sludge
  - Complete construction of K West Annex for radioactive sludge removal
  - Procure long-lead engineered equipment
- Waste Encapsulation and Storage Facility
  - Preliminary procurement/engineering for transferring highly radioactive cesium and strontium capsules to dry storage
  - Addressing the aging ventilation system

Removing a glovebox from PFP

Placing concrete for the KW Annex

Richland Operations Office – Hanford's Site Services Model

Hanford Cleanup

- The Mission Support Contract offers a single contractor responsible for base operations and infrastructure at the Hanford Site, while other prime contractors focus on Hanford cleanup.
  - Site Infrastructure
  - Emergency Services
  - Security
- Saved over $161 million since 2009